

### REMARKS

Claims 1 to 18 are pending in the application. Claims 1 and 10 are independent. Favorable reconsideration and further examination are respectfully requested.

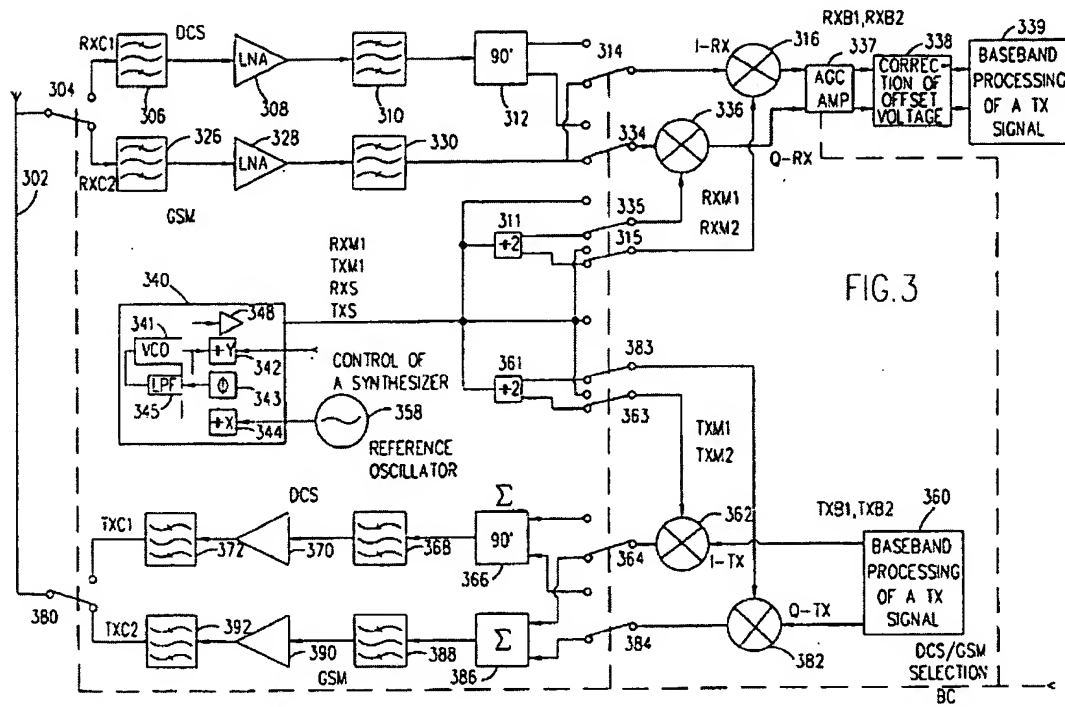
In the Office Action, claims 1 and 8 were rejected over U.S. Patent No. 5,896,562 (Heinonen); claim 2 was rejected over Heinonen in view of U.S. Patent Publication No. 2003/0022638 (Imai); claims 3 and 4 were rejected over Heinonen in view of U.S. Patent No. 5,903,820 (Hagstrom); claim 5 was rejected over Heinonen in view of U.S. Patent No. 5,815,804 (Newell); claim 6 was rejected over Heinonen, Imai, and Newell; claims 7 and 11 were rejected over Heinonen, Imai, Newell, and Hagstrom; claim 9 was rejected over Heinonen in view of U.S. Patent Publication No. 2003/0050018 (Weissman); and claims 10 and 12 to 14 were rejected over Heinonen, Hagstrom and Newell. As shown above, Applicants have amended the claims to define the invention with greater particularity. In view of these amendments, withdrawal of the art rejections is respectfully requested.

Amended independent claim 1 defines a circuit arrangement for use with a mobile telephone. The circuit arrangement comprises a transmitting circuit comprising a first signal line that corresponds to a first frequency band, a second signal line that corresponds to a second frequency band, a switch that connects an antenna to one of the first and second signal lines, a first amplifier in series with the first signal line, a second amplifier in series with the second signal line, a first band-pass filter between the first amplifier and the switch, where the first band-pass filter has a frequency range that corresponds to the first

frequency band, and a second band-pass filter between the second amplifier and the switch, where the second band-pass filter has a frequency range that corresponds to the second frequency band. The circuit arrangement also comprises a receiving circuit comprising a third signal line that corresponds to a third frequency band, and a third band-pass filter in series with the third signal line. The third signal line comprises an only signal transmission line in the receiving circuit for passing signals from an external device.

The applied art is not understood to disclose or to suggest the foregoing features of claim 1. In particular, the art is not understood to disclose or to suggest, in combination, a transmitting circuit comprising first and second signal lines, and a receiving circuit comprising a third signal line that comprises an only signal transmission line in the receiving circuit for passing signals from an external device.

In this regard, as shown below, Fig. 3 of Heinonen (which was cited in the Office Action) includes a receiving branch and a transmitting branch. The receiving branch includes two signal transmission lines: RXC1 and RXC2.



By contrast, claim 1 requires that its receiving circuit comprise only one signal transmission line for passing signals from an external device.

Imai, which was cited against claim 2 for its alleged disclosure of an insulator, is not understood to add anything that would remedy the foregoing deficiencies of Heinonen against claim 1. Likewise, the remaining applied art is not understood remedy the foregoing deficiencies of Heinonen. In this regard, Newell shows an arrangement that includes two receiving (Rx) lines and two transmitting (Tx) lines (see Fig. 2). Hagstrom shows an arrangement that includes only one transmit line and one receive line (see Figs. 2 and 3). Weissman likewise shows an arrangement that includes only one transmit line and one receive line (see Figs. 1 and 2). Accordingly, claim 1 is believed to be patentable.

Amended independent claim 10 defines circuitry comprising a transmitting portion and a receiving portion. The transmitting portion comprises plural signal lines, each of which is for transmitting a signal in a different frequency band. Each of the plural signal lines comprises, in order, a switch for connecting an antenna to a signal line, a passive component, a band-pass filter, an amplifier, and a surface acoustic wave filter. The receiving portion comprises a single signal line for receiving a signal from an external device. The single signal line comprises a passive component, and a band-pass filter. The single signal line comprises an only signal line in the receiving portion for passing signals from an external device.

The applied art is not understood to disclose or to suggest the foregoing features of claim 10. In particular, the art is not understood to disclose or to suggest, in combination, a transmitting portion comprising plural signal lines, and a receiving portion comprising a single signal line for receiving a signal from an external device, where the single signal line comprises a passive component, and a band-pass filter, and where the single signal line comprises an only signal line in the receiving portion for passing signals from an external device.

As explained above with respect to claim 1, Heinonen shows two signal lines in its receiving portion, namely RXC1 and RXC2. Claim 10 requires a single signal line comprising an only signal line in the receiving portion for passing signals from an external device. Newell was cited for its alleged disclosure of filters and a switch on a signal line, and Hagstrom was cited for its alleged disclosure of a surface acoustic wave filter. As

explained above, these references and the other applied art are not understood to remedy the foregoing deficiencies of Heinonen vis-à-vis claim 10. Accordingly, claim 10 is believed to be patentable.

Each of the dependent claims is also believed to define patentable features of the invention. Each dependent claim partakes of the novelty of its corresponding independent claim and, as such, has not been discussed specifically herein.

It is believed that all of the pending claims have been addressed. However, the absence of a reply to a specific rejection, issue or comment does not signify agreement with or concession of that rejection, issue or comment. In addition, because the arguments made above may not be exhaustive, there may be reasons for patentability of any or all pending claims (or other claims) that have not been expressed. Finally, nothing in this paper should be construed as an intent to concede any issue with regard to any claim, except as specifically stated in this paper, and the amendment of any claim does not necessarily signify concession of unpatentability of the claim prior to its amendment.

In view of the foregoing amendments and remarks, Applicants respectfully submit that the application is in condition for allowance, and such action is respectfully requested at the Examiner's earliest convenience.

Finally, Applicants are submitting a copy of the originally-signed Declaration to substitute for the Declaration currently on file. In the Declaration currently on file, the U.S. serial number and filing date were added post-signing.

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Please apply any fees or credits due in this case, which are not already covered by check, to Deposit Account 06-1050 referencing Attorney Docket No. 14219-073US1.

Respectfully submitted,

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